

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 20-29

A

Abawi, G. S., 25:317-38
Adams, S. S., 21:341-62
Alcorn, J. L., 26:37-56
Allard, R. W., 27:77-94
Allmaras, R. R., 26:219-43
Anderson, N. A., 20:329-47
Aust, H.-J., 24:491-510
Aylor, D., 28:73-92
Ayres, P. G., 22:53-75

B

Baker, K. F., 20:1-25, 21:13-20, 25:67-85
Bakker, A. W., 25:339-58
Bakker, P. A. H. M., 25:339-58
Baldwin, B. C., 26:265-83
Bar-Joseph, M., 27:291-316
Barnett, H. L., 27:33-40
Beachy, R. N., 28:451-74
Bell, A. A., 24:411-51
Beute, M. K., 29:279-303
Blakemore, J. P., 20:167-92
Blanchette, R., 29:381-98
Bloomberg, W. J., 23:83-96
Bol, J. F., 28:113-38
Boothroyd, C. W., 20:41-47
Bostock, R. M., 27:343-71
Bové, J. M., 22:361-96
Brakke, M. K., 22:77-94, 26:331-50
Brodie, B. B., 27:443-61
Browder, L. E., 23:201-50
Bruehl, G. W., 29:1-12
Bruening, G., 24:355-81
Buddenhagen, I. W., 21:385-409
Burdon, J. J., 20:143-66

C

Campbell, C. L., 21:385-409, 23:129-48
Carrington, J. C., 26:123-43
Carson, M. J., 27:373-95
Carter, C. C., 21:271-88
Castellano, M., 22:331-59
Castello, J. D., 27:331-59

Caswell, E. P., 23:275-96

Chang, Y. H., 20:71-92
Chivers, G. A., 20:143-66
Chiu, W. F., 20:71-92
Chumley, F. G., 29:443-67
Coakley, S. M., 26:163-81
Coffey, M. D., 24:311-38
Cohen, Y., 24:311-38
Cole, R. J., 25:249-70
Collmer, A., 24:383-409
Cooksey, D. A., 28:201-19
Coplin, D., 27:187-212
Cornelissen, B. J. C., 28:113-38
Culver, J. N., 29:193-217

D

Dahlberg, K. R., 20:281-301
Daly, J. M., 22:273-307
Daniels, M. J., 21:29-43
Daniels, M. J., 26:285-312
Daub, M. E., 24:159-86
Davidse, L. C., 24:43-65
Davis, J. M., 25:169-88
Davis, M. J., 24:115-40
Davis, R. E., 24:339-54
Dawson, W. O., 29:193-217
de Bruin-Brink, G., 24:27-31
de Boer, S. H., 23:321-50
Dienier, U. L., 25:249-70
Dinnoor, A., 22:443-66
Djordjevic, M. A., 25:145-68
Dodd, J. A., 22:151-68
Dollet, M., 22:115-32
Dougherty, W. G., 26:123-43
Dow, J. M., 26:285-312
Dropkin, V. H., 26:145-61
Duncan, L. W., 29:469-90
Durbin, R. D., 26:313-29

E

Ebel, J., 24:235-64
Eckert, J. W., 23:421-54, 26:433-69
Edens, T. C., 20:363-95
Eisenback, J. D., 21:271-88
Ellingboe, A. H., 19:125-43, 25:59-66
Ellis, J. G., 26:245-63

Ercolani, G. L., 22:35-52

Eshed, N., 22:443-66
Eskes, A. B., 27:503-31
Esser, R. P., 27:41-45
Estey, R. H., 24:17-25
Evans, L. S., 22:397-420

F

Fahy, P. C., 24:93-114
Fischer, G. W., 21:13-20
Fitt, B. D. L., 27:241-70
Fokkema, N. J., 20:167-92
Foster, R. C., 24:211-34
Fraser, R. S. S., 28:179-200
Fravel, D. R., 26:75-91
Freckman, D. W., 23:275-96
Frederiksen, R. A., 22:247-72
French, R. C., 23:173-200
Fulton, J. P., 25:111-23
Fulton, R. W., 22:27-34, 24:67-81

G

Gabriel, D. W., 25:145-68, 28:365-91
Gallegly, M. E., 27:33-40
Garrett, S. D., 23:13-18
Geiger, H. H., 27:317-41
Georgi, L., 28:247-69
Gergerich, R. C., 25:111-23
Gerlach, W. C., 28:341-63
Giebel, J., 20:257-79
Gilligan, C. A., 21:45-64
Goldbach, R. W., 24:289-310
Golden, A. M., 29:15-26
Goodwin, S. B., 27:77-94
Gould, A. R., 21:179-99
Graca, J. V. d., 29:109-36
Grace, J. K., 26:25-28
Gracen, V. E., 20:219-33
Graniti, A., 28:27-36
Grogan, R. G., 25:1-8
Gross, D., 29:247-78
Gustafson, G. D., 27:95-121

H

Halk, E. H., 23:321-50
Harman, G. E., 28:321-39

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 20-29

A

Abawi, G. S., 25:317-38
Adams, S. S., 21:341-62
Alcorn, J. L., 26:37-56
Allard, R. W., 27:77-94
Allmaras, R. R., 26:219-43
Anderson, N. A., 20:329-47
Aust, H.-J., 24:491-510
Aylor, D., 28:73-92
Ayres, P. G., 22:53-75

B

Baker, K. F., 20:1-25, 21:13-20, 25:67-85
Bakker, A. W., 25:339-58
Bakker, P. A. H. M., 25:339-58
Baldwin, B. C., 26:265-83
Bar-Joseph, M., 27:291-316
Barnett, H. L., 27:33-40
Beachy, R. N., 28:451-74
Bell, A. A., 24:411-51
Beute, M. K., 29:279-303
Blakemore, J. P., 20:167-92
Blanchette, R., 29:381-98
Bloomberg, W. J., 23:83-96
Bol, J. F., 28:113-38
Boothroyd, C. W., 20:41-47
Bostock, R. M., 27:343-71
Bové, J. M., 22:361-96
Brakke, M. K., 22:77-94, 26:331-50
Brodie, B. B., 27:443-61
Browder, L. E., 23:201-50
Bruehl, G. W., 29:1-12
Bruening, G., 24:355-81
Buddenhagen, I. W., 21:385-409
Burdon, J. J., 20:143-66

C

Campbell, C. L., 21:385-409, 23:129-48
Carrington, J. C., 26:123-43
Carson, M. J., 27:373-95
Carter, C. C., 21:271-88
Castellano, M., 22:331-59
Castello, J. D., 27:331-59

Caswell, E. P., 23:275-96

Chang, Y. H., 20:71-92
Chivers, G. A., 20:143-66
Chiu, W. F., 20:71-92
Chumley, F. G., 29:443-67
Coakley, S. M., 26:163-81
Coffey, M. D., 24:311-38
Cohen, Y., 24:311-38
Cole, R. J., 25:249-70
Collmer, A., 24:383-409
Cooksey, D. A., 28:201-19
Coplin, D., 27:187-212
Cornelissen, B. J. C., 28:113-38
Culver, J. N., 29:193-217

D

Dahlberg, K. R., 20:281-301
Daly, J. M., 22:273-307
Daniels, M. J., 21:29-43
Daniels, M. J., 26:285-312
Daub, M. E., 24:159-86
Davidse, L. C., 24:43-65
Davis, J. M., 25:169-88
Davis, M. J., 24:115-40
Davis, R. E., 24:339-54
Dawson, W. O., 29:193-217
de Bruin-Brink, G., 24:27-31
de Boer, S. H., 23:321-50
Dienier, U. L., 25:249-70
Dinnoor, A., 22:443-66
Djordjevic, M. A., 25:145-68
Dodd, J. A., 22:151-68
Dollet, M., 22:115-32
Dougherty, W. G., 26:123-43
Dow, J. M., 26:285-312
Dropkin, V. H., 26:145-61
Duncan, L. W., 29:469-90
Durbin, R. D., 26:313-29

E

Ebel, J., 24:235-64
Eckert, J. W., 23:421-54, 26:433-69
Edens, T. C., 20:363-95
Eisenback, J. D., 21:271-88
Ellingboe, A. H., 19:125-43, 25:59-66
Ellis, J. G., 26:245-63

Ercolani, G. L., 22:35-52

Eshed, N., 22:443-66
Eskes, A. B., 27:503-31
Esser, R. P., 27:41-45
Estey, R. H., 24:17-25
Evans, L. S., 22:397-420

F

Fahy, P. C., 24:93-114
Fischer, G. W., 21:13-20
Fitt, B. D. L., 27:241-70
Fokkema, N. J., 20:167-92
Foster, R. C., 24:211-34
Fraser, R. S. S., 28:179-200
Fravel, D. R., 26:75-91
Freckman, D. W., 23:275-96
Frederiksen, R. A., 22:247-72
French, R. C., 23:173-200
Fulton, J. P., 25:111-23
Fulton, R. W., 22:27-34, 24:67-81

G

Gabriel, D. W., 25:145-68, 28:365-91
Gallegly, M. E., 27:33-40
Garrett, S. D., 23:13-18
Geiger, H. H., 27:317-41
Georgi, L., 28:247-69
Gergerich, R. C., 25:111-23
Gerlach, W. C., 28:341-63
Giebel, J., 20:257-79
Gilligan, C. A., 21:45-64
Goldbach, R. W., 24:289-310
Golden, A. M., 29:15-26
Goodwin, S. B., 27:77-94
Gould, A. R., 21:179-99
Graca, J. V. d., 29:109-36
Grace, J. K., 26:25-28
Gracen, V. E., 20:219-33
Graniti, A., 28:27-36
Grogan, R. G., 25:1-8
Gross, D., 29:247-78
Gustafson, G. D., 27:95-121

H

Halk, E. H., 23:321-50
Harman, G. E., 28:321-39

Harris, M. K., 22:247-72
 Harrison, B. D., 23:55-82
 Hau, B., 28:221-45
 Haynes, D. L., 20:363-95
 Hayward, C., 29:65-87
 Heagle, A. S., 27:397-423
 Heun, M., 27:317-41
 Hewitt, W. B., 25:41-50
 Hildebrand, D. C., 20:235-56
 Hirano, S. S., 21:243-69,
 28:155-77
 Hoch, H. C., 25:231-47
 Hoitink, H. A. J., 24:93-114
 Holden, D. W., 27:463-81
 Hopkins, D. L., 27:271-90
 Hornby, D., 21:65-85
 Horsfall, J. G., 20:27-32
 Horsfall, J., 29:29-33
 Horst, R. K., 22:21-26
 Huang, J.-s., 24:141-57
 Huettel, R. N., 29:0-0
 Huisman, O. C., 20:235-56,
 303-27
 Hulbert, S. H., 25:383-404
 Hull, R., 27:213-40
 Hunter, B. G., 27:95-121
 Hussey, R. S., 27:123-41
 Hutson, J. L., 28:295-319
 Hyman, B. C., 29:89-107

I
 Irwin, M. E., 28:393-424

J
 Jackson, A. O., 27:95-121
 Jackson, R. D., 24:265-87
 Jacobsen, B. J., 21:137-52
 Jacobsen, B. J., 28:271-94
 Jansson, H. B., 22:95-113
 Jatala, P., 24:453-89
 Johnson, M. C., 25:293-313
 Johnson, R., 22:309-30
 Jordan, R. L., 22:151-68

K
 Kahn, R. P., 29:219-46
 Keen, N. T., 24:383-409
 Keese, P. K., 28:341-63
 Kelman, A., 23:1-11
 Kerling, L. C. P., 24:27-31
 Kerm, H., 23:19-22
 Kerr, A., 25:87-110
 Kiyosawa, S., 20:93-117
 Klepper, B., 29:361-80
 Klich, M. A., 25:249-70
 Ko, W., 26:57-73
 Kohmoto, K., 21:87-116
 Kolattukudy, P. E., 23:223-50
 Koltin, Y., 28:37-58

Kotoujansky, A., 25:405-30
 Kraft, J. M., 26:219-43
 Kunoh, H., 28:93-111
 Kushalappa, A. C., 27:503-81

L
 Langston-Unkefer, P. J.,
 26:315-29
 Latch, G. C. M., 25:293-313
 Latin, R. X., 29:343-60
 Lawrence, G. J., 26:245-63
 Leath, S., 26:369-78
 Lee, I. M., 24:339-54
 Lee, L. S., 25:249-70
 Lee, R. F., 27:291-316
 Lenné, J. M., 29:35-63
 Leong, J., 24:187-209
 Leong, S., 27:463-81
 Lindbeck, A. G. C., 29:193-
 217
 Lindeberg, G., 27:47-57
 Lindow, S. E., 21:363-84
 Linthorst, H. J. M., 28:113-38
 Lockwood, J. L., 26:93-121
 Loegering, W. Q., 25:59-66
 Loesch-Fries, S., 28:451-74
 Lonsdale, D. M., 27:483-502
 Loomis, R. S., 21:341-62
 Luttrell, E. S., 27:1-10

M
 Maggenti, A. R., 28:13-23
 Mai, W. F., 25:317-38,
 27:443-61, 28:13-23
 Malaguti, G., 28:1-10
 Mamiya, Y., 21:201-20
 Marcus, R., 27:291-316
 Marks, G. C., 25:207-29
 Martin, R. R., 26:409-32,
 28:341-63
 Matthews, D. E., 27:143-64
 Matthews, R. E. F., 25:11-23,
 27:13-22
 Mayo, M. A., 20:49-70
 McCartney, H. A., 27:241-70
 McDermott, J. M., 27:77-94
 McDonald, B. A., 27:77-94
 McDonald, D., 21:153-78
 Mew, T. W., 25:359-82
 Michelmore, R. W., 25:383-
 404
 Miller, D. E., 26:219-43
 Miller, S. A., 26:409-32
 Mills, D., 23:297-320
 Mitchell, R. E., 22:215-45
 Molina, R., 22:331-59
 Moreno, R. A., 23:491-512
 Morris, T. J., 22:151-68
 Murant, A. F., 20:49-70

N
 Nagarajan, S., 28:139-53
 Namkoong, G., 29:325-42
 Neergaard, P., 24:1-16
 Nelson, R. R., 22:11-19
 Nene, Y. L., 26:203-17
 Nienhaus, F., 27:165-86
 Nigam, S. N., 29:279-303
 Nishimura, S., 21:87-116
 Noe, J. P., 23:129-48
 Nuss, D., 28:37-58

O
 Ogawa, J. M., 23:421-54,
 26:433-69
 Ogoishi, A., 25:125-43
 Osbourn, A. E., 26:285-312
 Ou, S. H., 22:1-10
 Uchi, S., 21:289-315

P
 Panopoulos, N. J., 23:381-419
 Papavizas, G. C., 23:23-54
 Pasternak, D., 25:271-91
 Paulus, A. O., 28:271-94
 Payne, G. A., 25:249-70
 Peacock, W. J., 26:245-63
 Pedersen, W. L., 26:369-78
 Peet, R. C., 23:381-419
 Perry, V., 27:41-45
 Ponz, F., 24:355-81
 Pound, G. S., 25:51-58
 Powers, T. O., 29:89-107
 Pring, D. R., 27:483-502
 Pryor, A. J., 26:245-63
 Punja, Z. K., 23:97-128
 Purcell, A. H., 20:397-417

R
 Rathmell, W. G., 26:265-83
 Rayner, A. D. M., 29:305-23
 Ream, W., 27:583-618
 Reinert, R. A., 22:421-42
 Rickman, R. W., 29:361-80
 Riddle, D. L., 28:247-69
 Roelfs, A. P., 26:351-67
 Rolfe, B. G., 25:145-68,
 28:365-91
 Rouse, D. I., 26:183-201
 Ryan, C., 28:425-49

S
 Sanders, T. H., 25:249-70
 Sasser, J. N., 21:271-88
 Sayre, R. M., 29:149-66
 Schein, R. D., 26:31-36
 Schippers, B., 25:339-58

Schroth, M. N., 20:235-56
 Scott, H. A., 25:111-23
 Seem, R. C., 22:133-50
 Sequeira, L., 26:1-13
 Shephard, M. C., 25:189-206
 Shigo, A. L., 22:189-214
 Siegel, M. R., 25:293-313
 Singh, D. V., 28:139-53
 Skylakakis, G., 21:117-35
 Smedegaard-Petersen, V.,
 23:475-90
 Stall, R. E., 29:399-420
 Staples, R. C., 25:231-47
 Starr, M. P., 22:169-88
 Staub, T., 29:421-42
 Stermer, B. A., 27:343-71
 Stover, R. H., 24:83-91
 Symons, R. H., 21:179-99

T
 Tarjan, A. C., 27:41-45
 Taylor, A. G., 28:321-39
 Teakle, D. S., 27:23-31
 ten Houten, J. G., 24:27-31
 Teng, P. S., 23:351-80
 Thomas, P. L., 29:137-48
 Thresh, J. M., 20:193-218
 Thresh, J. M., 28:393-424
 Tolm, S., 27:551-81
 Tolmsoff, W. J., 21:317-40

Tolstrup, K., 23:475-90
 Tomiyama, K., 21:1-12
 Toussoun, T. A., 24:17-25
 Trappe, J. M., 22:331-59
 Travis, J. W., 29:343-60
 Triantaphyllou, A. C., 21:271-
 88
 Trudgill, D. L., 29:167-92
 Tumer, N., 28:451-74

U
 Upper, C. D., 21:243-69,
 28:157-77

V
 v. Hoyningen-Huene, J.,
 24:491-510
 Valent, B., 29:443-67
 Van Alfen, N. K., 20:349-62,
 27:533-50
 Van Etten, J. L., 20:281-301
 VanEtten, H., 27:143-64
 Vidaver, A., 27:551-81

W
 Wagenet, R. J., 28:295-319
 Walker, J. C., 20:33-39

Walklate, P. J., 27:241-70
 Wallace, H. R., 27:59-75
 Walter, D. E., 29:149-66
 Waterhouse, P. M., 28:341-63
 Weller, D. M., 26:379-407
 Wenzel, G., 23:149-72
 Weste, G., 25:207-29
 Wheeler, M. H., 24:411-51
 Wiese, M. V., 20:419-32
 Wilcox, H., 21:221-42
 Wilhelm, S., 20:27-32
 Williams, R. J., 21:153-78
 Wilson, C. L., 27:425-41
 Wisniewski, M., 27:425-41
 Wolfe, M. S., 23:251-74
 Wood, D., 29:35-63
 Wood, R. K. S., 25:27-40
 Wynne, J. C., 29:279-303

Y
 Young, M. J., 28:341-63

Z
 Zadoks, J. C., 23:455-74,
 26:31-36
 Zentmyer, G. A., 26:17-21
 Zeyen, R. J., 20:119-42
 Zuckerman, B. M., 22:95-113

CHAPTER TITLES, VOLUMES 20-29

PREFATORY CHAPTERS

Meditations on Fifty Years as an Apolitical Plant Pathologist	K. F. Baker	20:1-25
Research on the Hypersensitive Response	K. Tomiyama	21:1-12
Exploring Tropical Rice Diseases: A Reminiscence	S. H. Ou	22:1-10
Plant Pathology at the Crossroads	A. Kelman	23:1-11
Screening for Plant Health	P. Neergaard	24:1-16
The Relation of Art and Science of Plant Pathology for Disease Control	R. G. Grogan	25:1-8
The Changing Scene in Plant Virology	R. E. F. Matthews	25:11-23
Physiological Plant Pathology Comes of Age	R. K. S. Wood	25:27-40
On Becoming a Plant Pathologist: The Changing Scene	L. Sequeira	26:1-13
The Package Approach to Growing Peanuts	E. S. Luttrell	27:1-10
Half a Century of a Plant Pathologist in a Tropical Country—Venezuela	G. Malaguti	28:1-10
Plant Pathology, A Changing Profession in a Changing World	G. W. Bruehl	29:1-12

PIONEER LEADERS

Heinrich Anton de Bary: Nach Einhunderfunfzig Jahren	J. G. Horsfall, S. Wilhelm	20:27-32
Pioneer Leaders in Plant Pathology: Benjamin Minge Duggar	J. C. Walker	20:33-39
Charles Chupp: Extension Plant Pathologist	C. W. Boothroyd	20:41-47
Pioneer Leaders in Plant Pathology: F. D. Head	K. F. Baker, G. W. Fischer	21:13-20
Erwin Frink Smith—Pioneer Plant Pathologist	C. L. Campbell	21:21-27
Pioneer Leaders in Plant Pathology: E. C. Stakman	R. R. Nelson	22:11-19
Pioneer Leaders in Plant Pathology: Cynthia Westcott, Plant Doctor	R. K. Horst	22:21-26
Pioneer Leaders in Plant Pathology: James Johnson	R. W. Fulton	22:27-34
William Brown: Pioneer Leader in Plant Pathology	S. D. Garrett	23:13-18
Ernst Gaumann, 1893-1963: Pioneer Leader in Plant Pathology	H. Kern	23:19-22
A. H. R. Buller: Pioneer Leader in Plant Pathology	R. H. Estey	24:17-25
William C. Snyder: Pioneer Leader in Plant Pathology	T. A. Toussoun	24:27-31
Johanna Westerdijk: Pioneer Leader in Plant Pathology	L. C. P. Kerling, J. G. ten Houten, G. de Bruin-Brink	24:33-41
R. E. Smith: Pioneer in Phytopathology	W. B. Hewitt	25:41-50
John Charles Walker: Pioneer in Phytopathology	G. S. Pound	25:51-58
H. H. Flor: Pioneer in Phytopathology	W. Q. Loegering, A. H. Ellingboe	25:59-66
Howard Samuel Fawcett: Pioneer in Phytopathology	G. A. Zentmyer	26:17-21

The Role of Thomas Taylor in the History of American Phytopathology	J. K. Grace	26:25-28
James Edward Vanderplank: Maverick and Innovator	J. C. Zadoks, R. D. Schein	26:31-36
Roy Markham: Pioneer in Phytopathology	R. Matthews	27:13-22
Cecil Edmund Yarwood: Pioneer in Phytopathology	D. S. Teakle	27:23-31
Julian Gilbert Leach: Pioneer Leader in Plant Pathology	M. E. Gallegly, Jr., H. L. Barnett	27:33-40
Jesse Roy Christie: The Gentleman Nematologist	A. C. Tarjan, R. P. Esser, V. Perry	27:41-45
Elias Melin: The Man and His Work	G. Lindeberg	27:47-57
Dr. Benjamin (Ben) Goodwin Chitwood	W. F. Mai, A. R. Maggenti	28:13-23
Professor Ciccarone	A. Graniti	28:27-36
Nathan Augustus Cobb: The Father of Nematology in the United States	R. N. Huettel, A. M. Golden	29:15-26
Albert Eugene Dimond, 1914 to 1972: One of the Bright Lights of Plant Pathology	J. Horsfall	29:29-33
DEVELOPMENT OF CONCEPTS		
Landmarks in the Development of Phytopathology	M. P. Starr	22:169-88
Evolving Concepts of Biological Control of Plant Pathogens	K. F. Baker	25:67-85
The Impact of Molecular Genetics on Plant Pathology	A. Kerr	25:87-110
Evolution of Concepts Associated with Soilborne Plant Pathogens	J. L. Lockwood	26:93-121
Evolution of Concepts for Chemical Control of Plant Disease	B. C. Baldwin, W. G. Rathmell	26:265-83
Perspectives on Progress in Plant Virology	M. K. Brakke	26:331-50
Concepts and Technologies of Selected Seed Treatments	A. G. Taylor, G. E. Harman	28:321-39
DIAGNOSIS AND APPRAISAL OF PLANT DISEASE		
Crop Management by Comprehensive Appraisal of Yield Determining Variables	M. V. Wiese	20:419-32
Integrative Analyses of Host-Pathogen Relations	R. S. Loomis, S. S. Adams	21:341-62
Grain Molds in the Tropics: Problems and Importance	R. J. Williams, D. McDonald	21:153-78
The Spatial Analysis of Soilborne Pathogens and Root Diseases	C. L. Campbell, J. P. Noe	23:129-48
The Limiting Effect of Disease Resistance on Yield	V. Smedegaard-Petersen, K. Tolstrup	23:475-90
Remote Sensing of Biotic and Abiotic Plant Stress	R. D. Jackson	24:265-87
Use of Crop Growth-Models To Predict the Effects of Disease	D. I. Rouse	26:183-201
Molecular Diagnosis of Plant Pathogens	S. A. Miller, R. R. Martin	26:409-32
The Continuous Challenge of Citrus Tristeza Virus Control	M. Bar-Joseph, R. Marcus, R. F. Lee	27:291-316
Advances in Coffee Rust Epidemiology and Management	A. C. Kushalappa, A. B. Eskes	27:503-31
Barley Yellow Dwarf Epidemiology: A Study in Ecological Complexity	M. E. Irwin, J. M. Thresh	28:393-424
Exclusion as a Disease Control Strategy	R. P. Kahn	29:219-46
Citrus Canker Disease in Florida	R. E. Stall	29:399-420
PATHOGENS/FUNGI		
Physiology and Biochemistry of Fungal Sporulation	K. R. Dahlberg, J. L. Van Etten	20:281-301

Heteroploidy as a Mechanism of Variability among Fungi	W. J. Tolmsoff	21:317-40
Fungal Parasitism of Woody Plant Roots from Mycorrhizal Relationships to Plant Disease	H. E. Wilcox	21:221-42
The Biology, Ecology, and Control of <i>Sclerotium rolfsii</i>	Z. K. Punja	23:97-128
Parasite: Host: Environment Specificity in the Cereal Rusts	L. E. Browder	23:201-50
Biosynthesis and Functions of Fungal Melanins	A. A. Bell, M. H. Wheeler	24:411-51
Ecology and Pathogenicity of Anastomosis and Interspecific Groups of <i>Rhizoctonia solani</i> Kühn	A. Ogoshi	25:125-43
The Taxonomy of "Helmithosporium" Species	J. L. Alcorn	26:37-56
Hormonal Heterothallism and Homothallism in Phytophthora	W. Ko	26:57-73
The Phytopathological Significance of Mycelial Individualism	A. D. M. Rayner	29:305-23
PATHOGENS/BACTERIA & OTHER PROKARYOTES		
The DNA Homology Matrix and Non-Random Variation Concepts as the Basis for the Taxonomic Treatment of Plant Pathogenic and Other Bacteria	D. C. Hildebrand, M. N. Schroth, O. C. Huisman	20:235-56
The Role of Bacterial Ice Nucleation in Frost Injury to Plants	S. E. Lindow	21:363-84
Ecology and Epidemiology of Foliar Bacterial Plant Pathogens	S. S. Hirano, C. D. Upper	21:243-69
Infectivity Titration with Bacterial Plant Pathogens	G. L. Ercolani	22:35-52
The Molecular Genetics of Plant Pathogenic Bacteria and Their Plasmids	N. J. Panopoulos, R. C. Peet	23:381-419
Taxonomy of Plant-Pathogenic Coryneform Bacteria	M. J. Davis	24:115-40
Current Status and Future Prospects of Research on Bacterial Blight of Rice	T. W. Mew	25:359-82
Molecular Genetics of Pathogenesis by Soft-Rot Erwinias	A. Kotoujansky	25:405-30
Molecular Genetics of Pathogenicity in Phytopathogenic Bacteria	M. J. Daniels, J. M. Dow, A. E. Osbourn	26:285-312
Plasmids and their Role in the Evolution of Plant Pathogenic Bacteria	D. L. Coplin	27:187-212
<i>Xylella Fastidiosa</i> : Xylem-Limited Bacterial Pathogen of Plants	D. L. Hopkins	27:271-90
<i>Agrobacterium Tumefaciens</i> and Interkingdom Genetic Exchange	W. Ream	27:583-618
Population Biology and Epidemiology of <i>Pseudomonas Syringae</i>	C. D. Upper, S. S. Hirano	28:157-77
Biology and Epidemiology of Bacterial Wilt Caused by <i>Pseudomonas</i>	C. Hayward	29:65-87
Citrus Greening Disease	J. V. d. Graca	29:109-36
Molecular and Genetic Analysis of Toxin Production by Pathovars	D. Gross	29:247-78
PATHOGENS: NEMATODES		
Mechanism of Resistance to Plant Nematodes	J. Giebel	20:257-79
Pathology of the Pine Wilt Disease Caused by <i>Bursaphelenchus xylophilus</i>	Y. Mamiya	21:201-20
The International <i>Meloidogyne</i> Project—Its Goals and Accomplishments	J. N. Sasser, J. D. Eisenback, C. C. Carter, A. C. Triantaphyllou	21:271-88

Nematode Chemotaxis and Possible Mechanisms of Host/Prey Recognition	B. M. Zuckerman, H. B. Jansson	22:95-113
The Ecology of Nematodes in Agroecosystems	D. W. Freckman, E. P. Caswell	23:275-296
Biological Control of Plant-Parasitic Nematodes	P. Jatala	24:453-489
Interactions Among Root-Knot Nematodes and Fusarium Wilt Fungi on Host Plants	W. F. Mai, G. S. Abawi	25:317-338
The Concept of Race in Phytonematology	V. H. Dropkin	26:145-161
Disease-Inducing Secretions of Plant-Parasitic Nematodes	R. S. Hussey	27:123-141
Control of the Golden Nematode in the United States	B. B. Brodie, W. F. Mai	27:443-461
Advances in Research on <i>Caenorhabditis elegans</i> : Application to Plant Parasitic Nematodes	D. L. Riddle, L. Georgi	28:247-269
Integration of Molecular Data with Systematics of Plant Parasitic Nematodes	B. C. Hyman, T. O. Powers	29:89-107
Resistance and Tolerance in Plant Parasitic Nematodes in Plants	D. L. Trudgill	29:167-192
Current Options for Nematode Management	L. W. Duncan	29:469-490
PATHOGENS: VIRUSES		
Satellites of Plant Viruses	A. F. Murant, M. A. Mayo	20:49-70
A Molecular Biological Approach to Relationships Among Viruses	A. R. Gould, R. H. Symons	21:179-299
Plant Viral Double-Stranded RNA	J. A. Dodds, T. J. Morris, R. L. Jordan	22:151-168
Advances in Geminivirus Research	B. D. Harrison	23:55-82
Molecular Evolution of Plant RNA Viruses	R. W. Goldbach	24:289-310
Mechanisms of Resistance to Plant Viruses	F. Ponz, G. Bruening	24:355-381
Beetle Transmission of Plant Viruses	J. P. Fulton, R. C. Gererich, H. A. Scott	25:111-23
Expression and Function of Potyviral Gene Products	W. G. Dougherty, J. C. Carrington	26:123-143
Hordeivirus Relationships and Genome Organization	A. O. Jackson, B. G. Hunter, G. D. Gustafson	27:95-121
Viruses in Forest Trees	F. Nienhaus, J. D. Castello	27:165-186
Movement of Viruses Within Plants	R. Hull	27:213-240
Evolution and Molecular Biology of Luteoviruses	W. C. Gerlach, R. R. Martin, P. K. Kees, M. J. Young, P. M. Waterhouse	28:341-363
Coat Protein-Mediated Resistance Against Virus Infection	R. N. Beachy, S. Loesch-Fries, N. Turner	28:451-474
Virus-Host Interactions: Induction of Chlorotic and Necrotic Responses in Plants by Tobamoviruses	W. O. Dawson, A. G. C. Lindbeck, J. N. Culver	29:193-217
PATHOGENS/MOLLIICUTES		
Insect Vector Relationships with Prokaryotic Plant Pathogens	A. H. Purcell	20:397-417
Mechanisms of Spiroplasma Pathogenicity	M. J. Daniels	21:29-43
Wall-Less Prokaryotes of Plants	J. M. Bové	22:361-396
Prospects for <i>in vitro</i> Culture of Plant-Pathogenic Mycoplasmalike Organisms	I. M. Lee, R. E. Davis	24:339-354
ABIOTIC STRESS AND DISEASE		
Acid Precipitation Effects on Terrestrial Vegetation	L. S. Evans	22:397-420

Plant Diseases Caused by Flagellate Protozoa
(*Phytomonas*)

M. Dollet	22:115-32
D. Pasternak	25:271-91
R. R. Allmaras, J. M. Kraft, D. E. Miller	26:219-43
A. S. Heagle	27:397-423

Salt Tolerance and Crop Production—A
Comprehensive Approach
Soil Compaction and Effects of Incorporated
Crop Residue on Root

Ozone and Crop Yield

PHYSIOLOGY, MORPHOLOGY, AND ANATOMY

Compartmentalization: A Conceptual
Framework for Understanding How Trees
Grow and Defend Themselves
The Ultrastructure of the Rhizoplane and
Rhizosphere
Ultrastructure of Bacterial Penetration in
Plants
Structural and Chemical Changes Among the
Rust Rungi During Appressorium
Development
Perspectives on Wound Healing in Resistance
to Pathogens
Ultrastructure and Mobilization of Ions near
Infection Sites
Delignification by Wood Decay Fungi

A. L. Shigo	22:189-214
R. C. Foster	24:211-34
J.-s. Huang	24:141-57
H. C. Hoch, R. C. Staples	25:231-47
R. M. Bostock, B. A. Stermer	27:343-71
H. Kunoh	28:93-111
R. Blanchette	29:381-98

BIOCHEMISTRY AND MOLECULAR BIOLOGY OF HOST-PATHOGEN INTERACTIONS

Host-Specific Toxins and Chemical Structures
from *Alternaria* Species
Induction of Resistance or Susceptibility
The Role of Recognition in Plant Disease
The Relevance of Non-Host-Specific Toxins
in the Expression of Virulence by
Pathogens
Concepts and Methods Regarding Host Plant
Resistance to Arthropods and Pathogens
Enzymatic Penetration of the Plant Cuticle by
Fungal Pathogens
Transposon Mutagenesis and Its Potential for
Studying Virulence Genes in Plant
Pathogens
Phytoalexin Synthesis: The Biochemical
Analysis of the Induction Process
The Role of Pectic Enzymes in Plant
Pathogenesis
The Mechanisms for Self-Protection Against
Bacterial Phytotoxins
Phytoalexin Detoxification: Importance for
Pathogenicity and Practical Implications
Reassessment of Plant Wilt Toxins
Plant Pathogenesis-Related Proteins Induced
by Virus Infection
Proteinase Inhibitors in Plants: Genes for
Improving Defenses Against Insects and
Pathogens

S. Nishimura, K. Kohmoto	21:87-116
S. Ouchi	21:289-315
J. M. Daly	22:273-307
R. E. Mitchell	22:215-45
M. K. Harris, R. A. Frederiksen	22:247-72
P. E. Kolattukudy	23:223-50
D. Mills	23:297-320
J. Ebel	24:235-64
A. Collmer, N. T. Keen	24:383-409
R. D. Durbin, P. J. Langston-Unkefer	26:313-29
H. VanEtten, D. E. Matthews, P. Matthews N. Van Alfen	27:143-64 27:533-50
J. F. Bol, H. J. M. Linthorst, B. J. C. Cornelissen	28:113-38
C. Ryan	28:425-49

MOLECULAR GENETICS

Approaches to Cloning Plant Genes
Conferring Resistance to Fungal Pathogens

J. G. Ellis, G. J. Lawrence, W. J. Peacock, A. J. Pryor	26:245-63
--	-----------

Molecular Genetic Approaches to the Study of Fungal Pathogenesis	S. Leong, D. W. Holden	27:463-81
Cytoplasmic Male Sterility and Maternal Inheritance of Disease Susceptibility in Maize	D. R. Pring, D. M. Lonsdale	27:483-502
Significance of dsRNA Genetic Elements in Plant Pathogenic Fungi	D. Nuss, Y. Koltin	28:37-58
Working Models of Specific Recognition in Plant-Microbe Interactions	D. W. Gabriel, B. G. Rolfe	28:365-91
Molecular Genetic Analysis of the Rice Blast Fungus, Magnaporthe	B. Valent, F. G. Chumley	29:443-67
GENETICS OF HOST-PATHOGEN INTERACTIONS		
Role of Genetics in Etiological Phytopathology	V. E. Gracen	20:219-33
The Genetics and Pathology of <i>Rhizoctonia solani</i>	N. A. Anderson	20:329-47
Mutations, the Aberrant Ratio Phenomenon and Virus Infection of Maize	M. K. Brakke	22:77-94
The Role and Importance of Pathogens in Natural Plant Communities	A. Dinoor, N. Eshed	22:443-66
Molecular Markers for Genetic Analysis of Phytopathogenic Fungi	R. W. Michelmore, S. H. Hulbert	25:383-404
Genetic Control of Phenotypes in Wheat Stem Rust	A. P. Roelfs	26:351-67
The Population Biology of Host-Pathogen Interactions	B. A. McDonald, J. M. McDermott, S. B. Goodwin, R. W. Allard	27:77-94
Genetics of Quantitative Resistance to Fungal Disease	H. H. Geiger, M. Heun	27: 317-41
The Genetics of Resistance to Plant Viruses	R. S. S. Fraser	28:179-200
Genetics of Small-grain Smuts	P. L. Thomas	29:137-48
BREEDING FOR RESISTANCE		
Genetics and Epidemiological Modeling of Breakdown of Plant Disease Resistance	S. Kiyosawa	20:93-117
Breeding Strategies for Stress and Disease Resistance in Developing Countries	I. W. Buddenhagen	21:385-409
A Critical Analysis of Durable Resistance Strategies in Unconventional Breeding for Disease Resistance	R. Johnson	22:309-30
The Current Status and Prospects of Multiline Cultivars and Variety Mixtures for Disease Resistance	G. Wenzel	23:149-72
Tissue Culture and the Selection of Resistance to Pathogens	M. S. Wolfe	23:251-74
Multiple Disease Resistance in Grain Legumes	M. E. Daub	24:159-86
Pyramiding Major Genes for Resistance To Maintain Residual Effects	Y. L. Nene	26:203-17
Breeding for Resistance in Forest Trees: A Quantitative Genetic Approach	W. L. Pedersen, S. Leath	26:369-78
Plant Diseases and the Use of Wild Germplasm	S. D. Carson, M. J. Carson	27:373-95
Breeding for Disease Resistance in Peanut (<i>Arachis Hypogaea L.</i>)	J. M. Lenné, D. Wood	29:35-63
Maintaining Genetic Diversity in Breeding for Resistance in Forest Trees	J. C. Wynne, M. K. Beute, S. N. Nigam	29:279-303
G. Namkoong	29:325-42	
EPIDEMIOLOGY AND INFLUENCE OF ENVIRONMENT		
Host Density as a Factor in Plant Disease Ecology	J. J. Burdon, G. A. Chilvers	20:143-66

Interrelations of Root Growth Dynamics to Epidemiology of Root-Invasive Fungi	O. C. Huisman	20:303-27
Modeling of Soilborne Pathogens	C. A. Gilligan	21:45-64
The Interaction between Environmental Stress Injury and Biotic Disease Physiology	P. G. Ayres	22:53-75
Disease Incidence and Severity Relationships	R. C. Seem	22:133-50
Plant Response to Air Pollutant Mixtures	R. A. Reineert	22:421-42
The Epidemiology of Forest Nursery Diseases	W. J. Bloomberg	23:83-96
A Comparison of Simulation Approaches to Epidemic Modeling	P. S. Teng	23:351-80
Microclimate in Relation to Epidemics of Powdery Mildew	H.-J. Aust, J. v. Hoyningen-Huene	24:491-510
Modeling the Long-Range Transport of Plant Pathogens in the Atmosphere	J. M. Davis	25:169-88
Screening for Fungicides	M. C. Shephard	25:189-206
Variation in Climate and Prediction of Disease in Plants	S. M. Coakley	26:163-81
Analytic Models of Plant Disease in a Changing Environment	B. Hau	28:221-45
The Role of Intermittent Wind in the Dispersal of Fungal Pathogens	D. Aylor	28:73-92
Long-Distance Dispersion of Rust Pathogens	S. Nagarajan, D. V. Singh	28:139-53
The Development, Implementation, and Adoption of Expert Systems in Plant Pathology	J. W. Travis, R. X. Latin	29:343-60
Environmentally Driven Cereal Crop Growth Models	B. Klepper, R. W. Rickman	29:361-80
ACTION OF TOXICANTS AND CHEMICAL CONTROL		
Theory and Strategy of Chemical Control	G. Skylakakis	21:117-35
Reactions of Mycorrhizal Fungi and Mycorrhiza Formation to Pesticide	J. M. Trappe, R. Molina, M. Castellano	22:331-59
The Bioregulatory Action of Flavor Compounds on Fungal Spores and Other Propagules	R. C. French	23:173-200
The Chemical Control of Post-Harvest Diseases: Subtropical and Tropical Fruits	J. W. Eckert, J. M. Ogawa	23:421-54
Systemic Fungicides and the Control of Oomycetes	Y. Cohen, M. D. Coffey	24:311-38
Benzimidazole Fungicides: Mechanism of Action and Biological Impact	L. C. Davidse	24:43-65
Chemical Control of Postharvest Diseases: Deciduous Fruits, Berries, Vegetables, and Root/Tuber Crops	J. W. Eckert, J. M. Ogawa	26:433-69
Environment and Plant Health: A Nematological Perception	H. J. Wallace	27:59-75
The Role of Rain in Dispersal of Pathogen Inoculum	B. D. L. Fitt, H. A. McCartney, P. J. Walklate	27:241-70
Genetics of Bactericide Resistance in Plant Pathogenic Bacteria	D. A. Cooksey	28:201-19
Quantifying Pesticide Behavior in Soil	R. J. Wagenet, J. L. Hutson	28:295-319
Fungicide Resistance: Practical Experience with Antiresistance Strategies and the Role of Integrated Use	T. Staub	29:421-42
BIOLOGICAL AND CULTURAL CONTROL		
Cropping Practices and Virus Spread	J. M. Thresh	20:193-218
Potential for Biological Control of Plant Diseases on the Phylloplane	J. P. Blakeman, N. J. Fokkema	20:167-92
Biology and Potential for Disease Control of Hypovirulence of <i>Endothia parasitica</i>	N. K. Van Alfen	20:349-62

Suppressive Soils	D. Hornby	21:65-85
<i>Trichoderma</i> and <i>Gliocladium</i> : Biology, Ecology, and Potential for Biocontrol	G. C. Papavizas	23:23-54
Practices and Precautions in the Use of Cross Protection for Plant Virus Disease Control	R. W. Fulton	24:67-81
Basis for the Control of Soilborne Plant Pathogens with Composts	H. A. J. Hoitink, P. C. Fahy	24:93-114
Siderophores: Their Biochemistry and Possible Role in the Biocontrol of Plant Pathogens	J. Leong	24:187-209
<i>Rhizobium</i> —The Refined Parasite of Legumes	M. A. Djordjevic, D. W. Gabriel, B. G. Rolfe	25:145-68
Interactions of Deleterious and Beneficial Rhizosphere Microorganisms and the Effect of Cropping Practices	B. Schippers, A. W. Bakker, P. A. H. M. Bakker	25:339-58
Role of Antibiosis in the Biocontrol of Plant Diseases	D. R. Fravel	26:75-91
Biological Control of Soilborne Pathogens in the Rhizosphere	D. M. Weller	26:379-407
Biological Control of Postharvest Disease Factors Affecting the Efficacy of Natural Enemies of Nematodes	C. L. Wilson, M. Wisniewski	27:425-41
R. M. Sayre, D. E. Walter	R. M. Sayre, D. E. Walter	29:149-66
SPECIAL TOPICS		
Advances of Science of Plant Protection in the People's Republic of China	W. F. Chiu, Y. H. Chang	20:71-92
Application of In Situ Microanalysis in Understanding Disease: X-Ray Microanalysis	R. J. Zeyen	20:119-42
Closed System Agriculture: Resource Constraints, Management Options, and Design Alternatives	T. C. Edens, D. L. Haynes	20:363-95
Extension Plant Pathology: Challenges and Opportunities	B. J. Jacobsen	21:137-52
Monoclonal Antibodies in Plant Disease Research	E. L. Halk, S. H. DeBoer	23:321-50
On the Conceptual Basis of Crop Loss Assessment: The Threshold Theory	J. C. Zadoks	23:455-74
Plant Pathology in the Small Farm Context	R. A. Moreno	23:491-512
Disease Management Strategies and the Survival of the Banana Industry	R. H. Stover	24:83-91
The Biology of <i>Phytophthora cinnamomi</i> in Australasian Forests	G. Weste, G. C. Marks	25:207-29
Epidemiology of Aflatoxin Formation by <i>Aspergillus flavus</i>	U. L. Diener, R. J. Cole, T. H. Sanders, G. A. Payne, L. S. Lee, M. A. Klich	25:249-70
Fungal Endophytes of Grasses	M. R. Siegel, G. C. M. Latch, M. C. Johnson	25:293-313
Guidelines and Regulations for Research with Genetically Modified Organisms: A View from Academe	S. A. Tolin, A. K. Vidaver	27:551-81
The Changing Role of Extension Plant Pathologists	B. J. Jacobsen, A. O. Paulus	28:271-94

